

### Abstract

A telecommunications services exchange that assigns telecommunications services to a relatively small number of tagged classes based on the values of certain parameters characterizing these services is disclosed. Carriers and other traders participating in the 5 exchange may use the class tag to refer to each service they seek to purchase or sell. The relatively small number of classes increases the probability of matching offered and required services. Class definitions may be established on the basis of typical parameter values for a particular type of service, and may be modified over time as those values change. The exchange operator may monitor the parameter variation of each offered service, and swap that 10 service for a different service when monitored variation exceeds that dictated by class boundaries. The system may employ a hysteresis band of suitable dimensions to ensure that the assignment of offered services to classes is as stable as desired while remaining sensitive to meaningful variations in parameter values.